



REMR MATERIAL DATA SHEET CM-SE-1.11

CONCRETE SEALER: PENETRATING EPOXY SEALER

1. NAME

Penetrating Epoxy Sealer

2. MANUFACTURER

Permagile-Salmon Ltd.
101 Commercial Street
Plainview, NY 11803
Telephone: 516-349-1100

3. DESCRIPTION

A two-component 20-percent solids epoxy sealer.

4. USES & LIMITATIONS

Uses: For protection of new or old concrete from the effects of deicing chemicals, salts, moisture, cycles of freezing and thawing, efflorescence, and petroleum products.

Limitations: Application at temperatures below 40° F is not recommended. Exposure to temperatures exceeding 150° F for prolonged periods is not recommended.

5. MANUFACTURER'S TECHNICAL DATA

Physical properties:

Mix ratio	1:1 by volume
Pot life	8-10 hr @ 77° F
Cure time	36 hr @ 77° F
Viscosity	3.2 centipoises @ 77° F

Solids by weight	20% minimum
Specific gravity	0.85 (approximately)
Color	Clear
Glare	None

Packaging:

10-gal units
100-gal units

6. MANUFACTURER'S GUIDANCE FOR APPLICATION

Surface preparation: Area should be clean, free of all paints and sealants, and sound. Use conventional cleaning methods (acid etching or mechanical scarification).

Mixing:

- Stir each component separately.
- Mix one part by volume by base (A) with one part by volume of reactor (B) thoroughly.

Application:

- Apply sealer evenly over area by brush, roller, or spray.
- A second coat can be applied similarly after 12 to 24 hr.
- Tools and other equipment should be cleaned promptly with solvents, such as xylol, toluol, or lacquer thinner.

Coverage:

First application	150 sq ft/gal (approximately)
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Second application 250 sq ft/gal
(approximately)

Note: Porosity of concrete will
determine final coverage.

7. CORPS OF ENGINEERS' EVALUATION

Physical and mechanical properties:

Percent solid 15.0%
(ASTM D 1644, Method A):

Percent water absorption
(ambient temperature) (ASTM C 642):

1 day	3.83%
2 days	4.30%
4 days	4.46%
7 days	4.52%

Ratio of percent water absorption for
treated to nontreated specimen (2-day
submersion): 91.5%

Percent water transmission:

2 days	1.42%
4 days	1.98%
7 days	2.43%

Ratio of percent water transmission
for treated to nontreated specimen
(7-day diffusion): 68.8%

8. ENVIRONMENTAL CONSIDERATIONS

Reasonable caution should guide the preparation, repair, and cleanup phases of sealant activities involving potentially hazardous and toxic chemical substances. Manufacturer's recommendations to protect occupational health and environmental quality should be carefully followed. Material safety data sheets should be obtained from the manufacturers of such materials. In cases where the effects of a chemical substance on occupational health or environmental quality are unknown, chemical substances should be treated as potentially hazardous toxic materials.

9. AVAILABILITY & COST

Information concerning the availability and cost of Penetrating Epoxy Sealer can be obtained by writing the manufacturer at the address given in item 2 or by calling 516-349-1100.

10. TECHNICAL SERVICES

Information concerning technical service can be obtained by writing the manufacturer at the address given in item 2 or by calling 516-349-1100.